Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/26/2022 09:14 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123254	-2	4.77	123164	4.84
Blue	F	SSC	125000	123746	-2	5.16	124266	5.10
Blue	E	FITC	13602	13051	-5	5.07	363	14.01
Blue	D	PE	24891	24179	-3	4.89	572	11.49
Blue	B	PerCP-Cy5-5	33972	33120	-3	5.44	945	15.70
Blue	A	PE-Cy7	22865	22467	-2	7.58	469	31.64
Red	C	APC	47198	46656	-2	4.36	1615	11.97
Red	A	APC-Cy7	26454	25219	-5	5.16	712	13.32
Violet	B	V450	6737	6430	-5	6.27 (1)	450	12.74
Violet	A	V500	29317	27984	-5	6.04	955	9.85

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23608	5.61	536	1	N/A	N/A	Pass
Blue	F	SSC	54788	4.81	517	-4	N/A	N/A	Pass
Blue	E	FITC	54	54.62	486	2	0.0461	105	Pass
Blue	D	PE	110	40.43	489	3	0.4212	342	Pass
Blue	B	PerCP-Cy5-5	147	41.74	583	4	0.0193	53	Pass
Blue	A	PE-Cy7	75	83.92	628	7	0.0215	5	Pass
Red	C	APC	332	26.91	575	3	0.0286	240	Pass
Red	A	APC-Cy7	131	36.03	552	1	0.0059	1223	Pass
Violet	B	V450	76	46.21	456	6	0.0470	1656	Pass
Violet	A	V500	112	31.49	475	6	0.0247	772	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.57	-31.27	0.99
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.33	13.90 - 20.86	N/A	N/A	29.71	29.88	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12996

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments